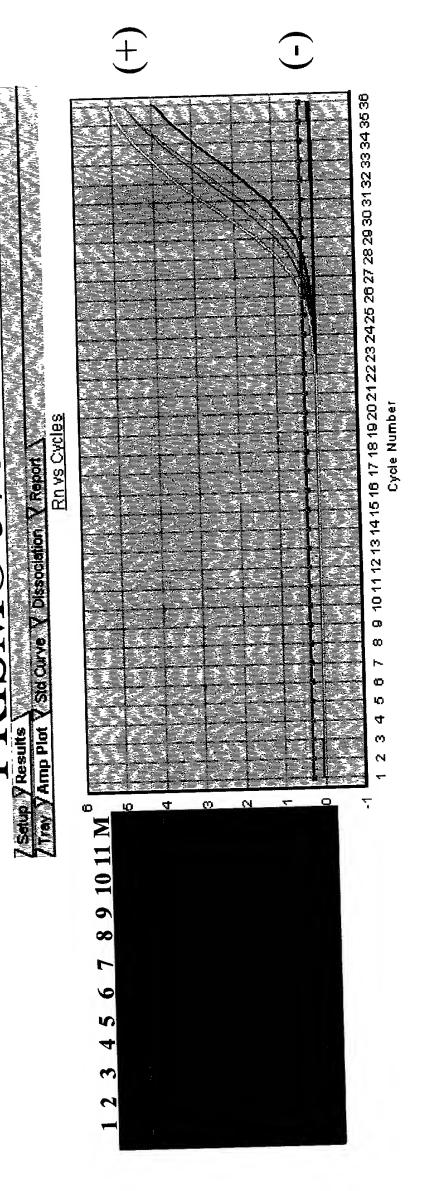
## Comparison of Agarose Gel with ABI PRISM® 5700



positive reactions and not four because the positive control was not loaded, and the control ladder was run in its place. and the eight negative reactions (-). The data in the Amplification Plot was collected during the PCR amplification, gel shows the three positive PCR reactions (Lanes 1, 3 & 9), as well as a control ladder (Lane 12). The agarose Figure 1. The agarose gel and the ABI PRISM® 5700 show different methods of evaluating PCR results. The correlates to an increase of PCR products. The above Amplification Plot shows the four positive reactions (+) and the analyzed data was available immediately upon completion of the PCR reactions. The gel shows three an Amplification Plot, which is a measurement of the increase in fluorescence of SYBR green. This increase gel also shows eight negative PCR reactions. The ABI PRISM® 5700 Sequence Detection System generates

## Low Resolution Typing

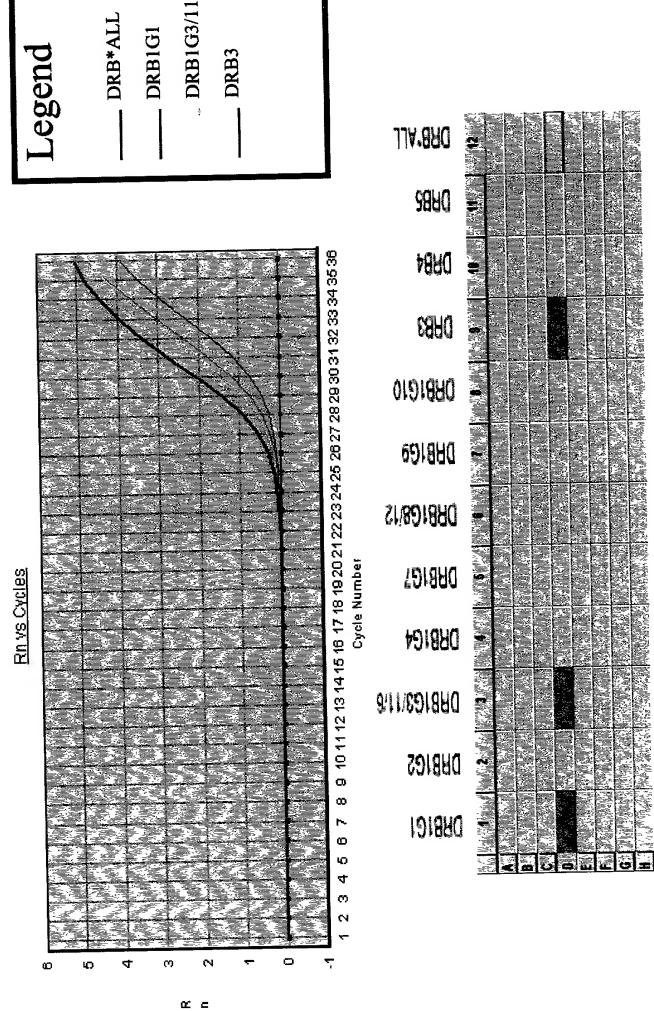


Figure 2. Based on the PCR results, this person is positive for DRB1G1, DRB1G3/11/6 and DRB3. This is an expected combination. This completes the low resolution typing of this individual. These same PCR products were then used for high resolution typing.

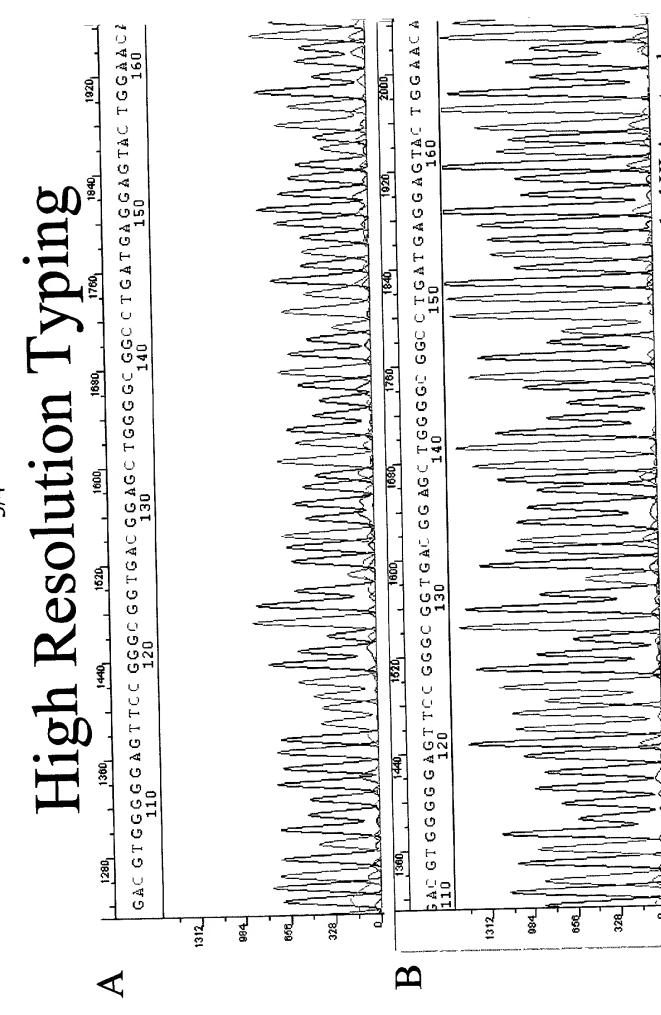


Figure 3. Panel A, shows sequence data from a PCR product produced using the modified SYBR/HLA protocol. Each sample Panel B, shows sequence data from a PCR product generated using the modified SYBR/HLA protocol. Each sample was immediately sequenced after low resolution typing was completed. This comparison of data shows, the addition of SYBR® Green PCR Master Mix had no adverse effect on the sequencing reaction. This data was produced on the ABI PRISM® 3100 Genetic Analyzer. igure 3. Panel A, shows sequence data from a PCR product produced using the standard HLA protocol.

Sample DF3 Preliminary Report: Exact mat Pries DF3[F ab1, DF3[R ab1 Marning #5 There are lambiguit Marning #6 There are unexpected 1   nucleotide 0   number 1   Marnings for file DF3[F ab1 #9 The sequence was analyzed #10 The model 3100 sequencer #11 The peak spacing of 14 8 Warnings for file DF3[R ab1 #9: The sequence was analyzed #10: The model 3100 sequencer #11: The peak spacing of 14.8	Sample DF3	Sample: UF3  Files DF3[F.ab1, DF3[R.ab1]  Marnings for file: DF3[F.ab1  Warnings for file: DF3  Warnings for file:
	45 DF 3 [ R ab1	120 120 171C 171C 171C

Figure 4. This panel shows the completion of the high resolution typing. The sequenced sample data was analyzed by the Applied Biosystems MatchTools<sup>TM</sup> software to get a Preliminary Report. The data was then edited in Applied Biosystems MT Navigator software, before being resubmitted to the Applied Biosystems MatchTools<sup>TM</sup> software for a Final Report. This sample was an exact match to 11011, 11011/1105, 1105.